MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

December 1948

ROBERT W. SLOANE, DIRECTOR

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WEATHER BUREAU

DECEMBER 1948

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	65.0	64.5	65.3	64.9	19.7	13.3	17.3	18.4	15.0	16.9
2	5.8	4.9	6.2	5.6	18.9	12.0	16.6	18.1	15 3	16.7
3	6.7	5.8	5.7	6.1	15.0	12.2	12.7	13.6	13.4	13.2
4	5.8	5.0	6.5	5.8	18.6	13.4	14.9	18.1	14.3	15.8
5	7.7	7.7	8.2	7.9	17.0	13.0	13.8	14.3	13.9	14.0
6	67.8	65.6	65.3	66.2	17.8	13.2	15.2	17.4	14.5	15.7
7	2.9	1.6	1.8	2.1	18.5	13.3	14.9	17.9	14.9	15.9
8	0.4	0.8	1.9	1.0	16.9	12.8	16.3	13.3	13.9	14.5
9	2.9	3.1	3.3	3.1	15.0	10.5	14.5	11.5	11.6	12.5
10	3.3	3.3	3.8	3.5	15.8	11.1	14.9	13.3	11.6	13.3
11	62.5	61.3	62.0	61.9	16.5	9.4	13.3	14.6	10.4	12.8
12	0.7	0.6	1.9	1.1	14.2	9.9	12.7	12.8	10.9	12.1
13	1.8	1.0	2.2	1.7	16.0	10.5	13.3	15.7	10.9	13.3
14	3.9	3.6	4.8	4.1	15.9	11.1	12.8	15.4	12.6	13.6
15	5.7	3.7	1.5	3.6	18.9	13.3	13.8	16.8	17.2	15.9
16	59.6	58.1	59.7	59.1	19.7	11.9	17.6	18.9	12.1	16.2
17	60.9	60.5	61.8	61.1	15.5	9.4	14.5	14.6	11.3	13.5
18	2.8	2.2	4.4	3.1	15.4	10.6	10.9	14.6	13.8	13.1
19	6.7	5.9	6.6	6.4	15.0	10.2	13.8	14.3	12.3	13.5
20	6.3	6.0	4.7	5.7	15.9	11.5	12.6	15.5	12.4	13.5
21	64.1	62.8	63.1	63.3	15.8	10.8	12.8	15.6	13.4	13.9
22	3.4	2.0	0.5	2.0	15.2	11.8	12.1	14.8	13.3	13.4
23	59.9	59.9	1.7	0.5	15.1	9.8	13.7	14.3	13.5	13.8
24	63.3	63.7	5.2	4.1	14.6	10.0	10.4	14.3	13.1	12.6
25	7.0	6.0	6.0	6.3	15.9	10.5	13.8	15.4	12.2	13.8
26	63.8	62.5	62.6	63.3	16.8	12.4	13.9	13.7	13.8	13.8
27	2.3	2.5	3.3	2.7	14.9	9.9	13.2	13.3	13.9	13.7
28	7.1	6.7	7.4	7.1	12.9	8.7	11.6	12.1	10.7	11.5
29	8.2	7.4	7.7	7.8	11.9	8.2	10.5	11.1	9.9	10.5
30	7.1	6.4	7.9	7.1	11.2	6.1	10.5	11.0	7.9	9.8
31	70.2	9.8	70.9	70.3	12.3	7.8	10.0	12.2	9.3	10.5
	64.37	63.70	64.32	64.13	15.89	10.92	13.53	14.73	12.69	13.65

Barometer, range for month 770.9 — 758.1 mm.
,, 71-yr. average for month 763.23 mm.
Thermometer, range for month 19.7°C — 6.1°C
,, 71-yr. average for month 15.99°C.
Rain, total for month 234.22 mm.
,, 71-yrs. average for month 185.45 mm.
,, Tolal, Sept. 1st. to end of month 448.30 mm.
,, 71-yr. average, Sept. 1st. to end of month 374.27 mm.

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METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				Sun.	Wind per day	Rain
	8.30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	14.2	16.0	15.0	15.1	73	76	88	79	7.4	335.0	
2	14.7	16.9	14.5	15.4	78	79	86	81	5.6	571.0	3.30
3	14.8	15.9	13.8	14.8	99	100	91	97	0.9	192.0	19.05
4	14.5	16.2	15.2	15.3	84	77	92	84	1.1	528.0	0.76
5	15.9	16.5	14.4	15.6	100	100	91	97	0.8	359.0	4.57
6	15.0	15.8	14.8	15.2	86	80	90	85	9.2	153.0	10.41
7	12.5	16.4	13 5	14.1	76	81	78	78	7.8	233.0	
8	14.6	15.3	15 7	15.2	81	100	99	93	0.6	443.0	2.03
9	13.4	13.7	13.6	13.6	80	100	99	93	0.6	351.0	20.07
10	14.0	15.3	13.7	14.3	80	100	100	93	0.8	460.0	10.92
11	14.3	14.7	12.7	13.9	94	89	100	94	0.9	488.0	15.50
12	11.9	13.0	13.2	12.7	81	88	100	90	1.5	481.0	24.13
13	12.9	12.2	12 8	12.6	84	69	97	83	2.0	433.0	18.80
14	13.3	12.7	12.5	12.8	91	72	84	82	4.7	224.0	0.25
15	11.0	12.8	14.2	12.7	70	68	72	70	8.0	94.0	
16	11.7	13.7	13.3	12.9	58	63	93	71	1.9	673.0	2.03
17	12.5	12.9	11.5	12.3	75	79	87	80	0.1	486.0	6.60
18	13.2	13.9	11.9	13.0	100	85	75	87	4.2	610.0	26.67
19	12.9	12.8	11.9	12.5	81	77	84	81	9.2	370.0	
20	11.4	13.2	11.9	12.2	78	74	84	79	9.2	269.0	
21	12.4	13.2	12.2	12.6	85	74	80	80	9.0	349.0	
22	11.4	12.5	11.3	11.7	79	73	74	75	8.4	295.0	
23	14.9	13.8	12.0	13.6	94	84	78	85	0.7	789.0	18.29
24	11.8	11.5	11.4	11.6	93	70	74	79	3.4	428.0	7.11
25	11.9	12.5	11.9	12.1	75	72	84	77	4.2	306.0	
26	12.7	15.9	13.9	14.2	80	100	88	89	0.6	550.0	9.39
27	15.9	14.8	11.9	14.2	99	97	77	91	0.4	719.0	30.99
28	10.9	9.6	8.8	9.8	79	68	69	72	6.3	607.0	3.35
29	10.5	9.6	8.8	9.6	81	73	72	75	7.8	863.0	
30	7.5	7.5	7.7	7.6	59	57	72	63	8.8	644.0	
31	7.5	8.7	8.4	8.2	63	61	72	65	9.1	238.0	
	12.78	13.53	12.53	12.95	81.8	80.2	84.8	82.2	4.36	464.09	7.55

Height of Barometer above sea level: 33.7 meters.

,, ,, Thermometers above ground:

Dry and wet 1.55 m ; Max. 1.75 m.; Min. 1.70 m.

Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.

Time of reading minus 2 hours equal G.C.T.

71year averages are for period, 1875-1945

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METEOROLOGICAL REGISTER

Date	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	6cu-ci	6st	5cu-ci	5.7	0	2w	0	slight	
2	1cu	10cu-ni	6cu-ni	5.7	2sw	3sw	2s	light	
3	10ni	10ni	2cu	7.3	1s	1sw	1se	„	
4	9cu-ni	9cu	1cu	6.3	0	3w	2sw	slight	
5	9ni	9cu-ni	6cu	8.0	2w	2w	1w	„	
6	0	0	0	0.0	1se	1nw	1nw	light	
7	0	0	0	0.0	1se	1w	1w	slight	
8	9cu	9cu-ni	10cu	9.3	3w	1s	1sw	„	Tr. p.m.
9	10cu-st	10ni	8ni	9.3	2sw	1sw	2sw	„	
10	7cu	10ni	9ni	8.7	2sw	2sw	2sw	light	
11	7cu-ni	10cu-ni	10ni	9.0	3sw	3sw	2sw	slight	
12	10ni	8cu-ni	9cu-ni	9.0	3sw	2s	2sw	„	
13	10ni	10cu-ni	4cu	8.0	2sw	3w	2sw	„	
14	8cu-ni	6cu	6cu-ci	6.7	1s	1nw	1nw	light	
15	5ci	8ci	8cu-st	7.0	1s	3ne	1ne	slight	G. at night
16	2cu-ci	9cust	7cu-ci	6.0	3se	2sw	2sw	light	
17	10cu	10cu-ni	8cu-ni	9.3	2sw	2w	2sw	rough	
18	10cu-ni	5cu	7cu	7.3	2s	3sw	2w	slight	
19	8cu	0	0	2.7	1se	3ne	1n	„	
20	0	0	0	0.0	1s	1w	0	light	
21	1cu	0	4cu	1.7	1s	1sw	2n	slight	
22	1cu-ci	4ci	5cu-ci	3.3	0	1w	2sw	light	
23	10cu-ni	6cu	4cu	6.7	1w	4w	2sw	mod.	
24	9ni	9cu-ni	4cu	7.3	1s	2w	2w	slight	
25	9cu	6cust	0	5.0	2sw	1w	0	„	Tr. a.m.
26	7cu-st	10ni	5cu	7.3	1sw	1s	2sw	slight	
27	9cu-ni	10ni	8cu	9.0	2n	1sw	4sw	„	
28	8cu	6cu	0	4.7	3ne	2nw	4nw	mod.	
29	4cu	3cu	2cu	3.0	3nw	4ne	4ne	„	Tr. a.m.
30	3cu	0	0	1.0	4ne	4ne	3ne	„	
31	0	0	0	0.0	1sw	1nw	1nw	light	
				5.62					

* Abbreviations :— G = gale ; H = haze ; M = mist ; T = thunderstorm ; D = dew. W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	1	2	0	4	7	10	3	1	3	31
14:30	0	4	0	0	3	9	11	4	0	31
20:30	2	3	0	1	1	13	4	4	3	31
Total	3	9	0	5	11	32	18	9	6	93

Number of days with rain 20, fog 0, thunderstorms 0, gale 1.

71 yr. av. number of days with rain during month 13.4